PB83-126789

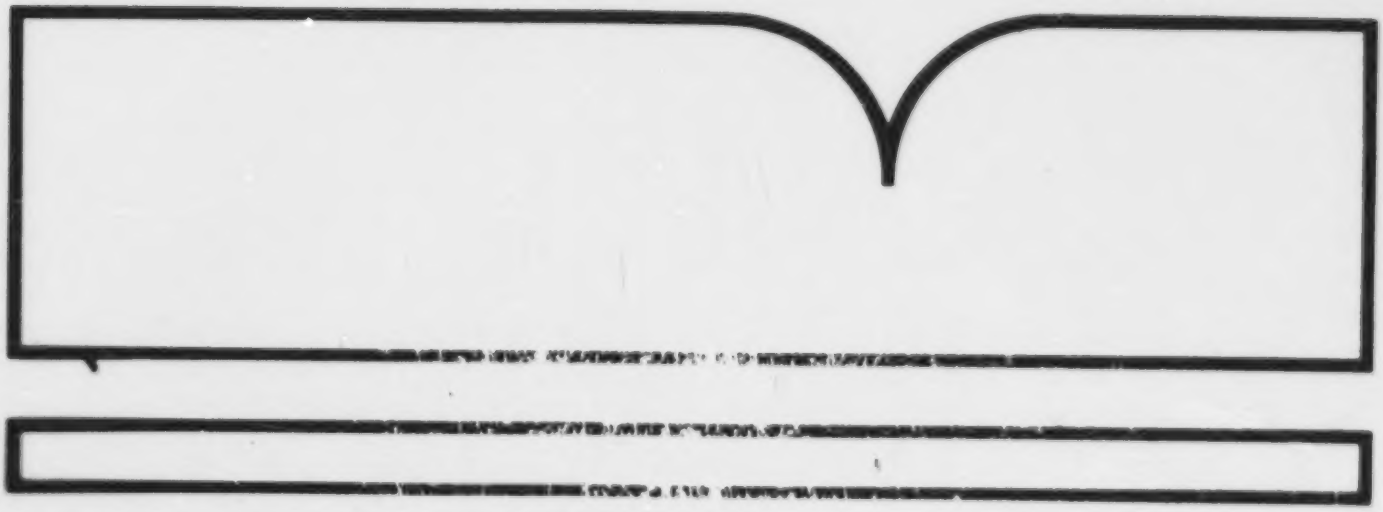
Regulations and Non-Regulatory Revisions to State Implementation Plan: Arkansas

Atlantic Environmental Associates, Inc.
Waltham, MA

Prepared for

Environmental Protection Agency
Research Triangle Park, NC

Oct 81



U.S. Department of Commerce
National Technical Information Service
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United States
Environmental Protection
Agency

Office of Air Quality
Planning and Standards
Research Triangle Park NC 27711

EPA-450/2-81-023
July 1981

Air

PB83-126789

EPA

Regulations and Non-Regulatory Revisions to State Implementation Plan: Arkansas

EPA-450/2-81-023

Regulations and Non-Regulatory Revisions to State Implementation Plan: Arkansas

By

Atlantic Environmental Associates, Inc.
59 Vernon Street
Waltham, MA 02154

Contract No. 68-02-3565

EPA Project Officer: Willis P. Beal

Prepared for

U.S ENVIRONMENTAL PROTECTION AGENCY
Control Programs Development Division
Office of Air Quality Planning and Standards
Research Triangle Park, North Carolina 27711

July 1981

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(Please read Instructions on the reverse before completing)

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16. ABSTRACT

This document has been produced in compliance with Section 110(h) of the Clean Air Act, as amended in 1977, which mandates periodic publication of State Implementation Plan (SIP) requirements. The first section of the document comprises the Federally approved SIP regulations. It consists of the EPA-approved State and/or local air pollution control regulations cited by reference in the Federal Register; regulations promulgated as of August 1, 1981 have been included in this document.

The present compilation constitutes an update of a previous documentation of regulations as of July 1, 1979. State and/or local air quality regulations which have not been Federally approved as of August 1, 1981, are not included. However, any omissions of regulations from this document in no way affects the ability of the respective Federal, State, or local agencies to enforce such regulations. A summary sheet of the regulatory revisions is provided to give a quick historical assessment of the changes.

The second part of the document contains the text of non-regulatory SIP revisions approved by EPA up to August 1, 1981, excluding notices or certifications of public hearings and technical support data. A complete tabulation of these revisions is also provided.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Air Pollution State Regulations State Implementation Plans		

18. DISTRIBUTION STATEMENT	19. SECURITY CLASS *(This Report)*	21. NO. OF PAGES
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PREFACE

This document has been produced in compliance with Section 110(h) of the Clean Air Act, as amended in 1977, which mandates periodic publication of State Implementation Plan (SIP) requirements. The first section of the document comprises the Federally approved SIP regulations. It consists of the EPA approved State and/or local air pollution control regulations cited by reference in the Federal Register; all regulations Federally promulgated as of August 1, 1981 have been included.

The present compilation constitutes an update of a previous documentation of regulations as of July 1, 1979.* State and/or local air quality regulations which have not been Federally approved as of August 1, 1981 are not included. However, any omissions of regulations from this document in no way affects the ability of the respective Federal, State or local agencies to enforce such regulations.

This document is not intended to provide a tool for determining the enforceability of any given regulation. Rather, it is intended to provide a comprehensive compilation of those regulations which are incorporated by reference into Title 40, Part 52, of the Code of Federal Regulations (CFR). The exclusion of a Federally approved regulation from this document does not diminish the enforceability of the regulation. Similarly, the inclusion of a given regulation in this document does not, in itself, render the regulation enforceable by either the State or EPA.

The regulations have been organized in this document according to the official State/local agency format. However, since State air quality regulations vary widely in their organization, content, and language, a standardized subject index has been added. The index listings consist of both pollutant and activity oriented categories to facilitate usage. For example, regulations which apply to copper smelters may be found under sulfur compounds (50.2), particulate matter process weight (50.1.1), or copper smelters (51.15). Federal regulations pertaining to a given State are not included herein but can be found under Title 40 Code of Federal Regulations, Part 52.

Additionally, a summary sheet of the regulatory revisions is included to provide a quick historical assessment of the changes. These summary sheets contain the date of submittal to EPA of each revision and the Federal Register publication date on which the revision was approved by EPA. A brief description of the regulation which was submitted is also included.

In accordance with the Act, the second part of the document contains non-regulatory SIP revisions approved by EPA up to August 1, 1981. All approved non-regulatory revisions listed under Identification of Plan in the CFR are included except notices or certifications of public hearings, and technical support data. Non-regulatory submittals which have only received EPA approval on selected elements are included in their entirety with an accompanying indication of the status of Federal actions on the non-approved elements. The non-regulatory revisions have been organized in this document

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* Regulations and Non-Regulatory Revisions to State Implementation Plan: Arkansas, EPA-450/2-80-010, prepared under Contract 68-02-3388, July 31, 1980.

according to the date of publication of EPA approval in the Federal Register. For historical completeness, a complete tabulation of these revisions is provided at the beginning of this second section.

SUMMARY OF
EPA-APPROVED REGULATORY REVISIONS TO STATE OF ARKANSAS SIP
BETWEEN JULY 1, 1979 AND JULY 31, 1981

Publication of Approval	Submittal Date	Page	Document Description
01/29/80	04/04/79	45FR6571	Volatile Organic Compound Regulations.
08/15/80	12/10/79	45FR54336	Revisions to 4.5(a) for the "Control of Volatile Organic Compounds." and modification to the definition for lowest achievable emission rate (LAER).

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REGULATIONS OF
THE ARKANSAS PLAN OF IMPLEMENTATION
FOR AIR POLLUTION CONTROL
AS AMENDED JUNE 27, 1975
(420.11-2)

SECTION 1. TITLE

The following rules and regulations of the Department of Pollution Control and Ecology of the State of Arkansas, adopted in accordance with the provisions of Part II of the Arkansas Water and Air Pollution Control Act, hereinafter referred to as the "Act" (Ark. Stats. Ann. § 82-1901, et seq.), shall be known as the Regulations of the Arkansas Plan of Implementation for Air Pollution Control, hereinafter referred to respectively as the "Regulations of the Plan" and "the Plan".

SECTION 2. PURPOSE

Promulgation and enforcement of these Regulations of the Plan is intended to meet the requirements of the Clean Air Act (42 USCA § 1857, et seq.), as interpreted by the United States Environmental Protection Agency, including but not limited to attainment and maintenance of the National Ambient Air Quality Standards.

SECTION 3. DEFINITIONS

When used in these Regulations of the Plan:

(a) "Arkansas Air Pollution Control Code" means rules and regulations adopted by the Department of Pollution Control and Ecology of the State of Arkansas, as amended from time to time, pursuant to and in furtherance of the Act. Provisions of the Arkansas Air Pollution Control Code shall not be considered a part of the Plan except for those provisions specifically described in the Plan.

(b) "Commission" means the Commission of Pollution Control and Ecology of the State of Arkansas.

(c) "Department" means the Department of Pollution Control and Ecology of the State of Arkansas. When reference is made in these Regulations to actions taken by or with reference to the Department, the reference is to the staff of the Department acting at the direction of the Commission.

(d) "Director" means the director of the Department of Pollution Control and Ecology, acting directly or through the staff of the Department.

(e) "Equipment" means any device, except equipment used for any mode of transportation, capable of causing the emission of an air contaminant into the open air, and any stack, conduit, flue, duct, vent or similar device connected or attached to, or serving the equipment.

(f) "Equipment used in a manufacturing process" means equipment, the primary object of which is the treatment and/or conversion of input materials to produce a salable or usable end product.

(g) "Flue" or "stack" means any conduit or duct arranged to conduct an effluent to the open air.

(h) "Incinerator" means all devices by which garbage, refuse, or other combustible material is reduced in volume by a combustion process in which the fuel/air ratio is or can be controlled so that the remaining solid residues contain little or no combustible material.

(i) "Opacity" means the state of a substance which renders it partially or wholly impervious to rays of light so that the substance partially or wholly obscures an observer's view.

(j) "Potential Emission Rate" means the total weight rate at which particulate matter is, or in the absence of an air cleaning device, would be, emitted from an air contamination source when such source is operated at its maximum rated capacity. The potential emission rate may be determined by sampling in a flue, prior to the inlet of the air cleaning device, or by estimating the weight rate of emissions by performing a "material balance" (difference between process input weight and output weight) for the process or operation, or by estimating the weight rate of emissions using estimating techniques approved by the Commission. When a number of air contamination sources (each of which is capable of being operated individually) are manifolded together so that their emissions are discharged to a single flue, the potential emission rate and allowable emission rate for each source shall be determined individually.

(k) "Smoke" means finely divided particulate matter resulting from incomplete combustion, consisting primarily of carbon and other combustible material.

(l) "Standard Smoke Chart" means the Ringelmann Chart, as published by the U. S. Bureau of Mines in Information Circular 8333, dated May, 1967, photographically reduced to 1/18th in size for use in the field, or any other method or device for grading smoke judged by the Department to be equivalent to the Ringelmann Chart.

(m) "Standard conditions" means at a temperature of 20° Centigrade and a pressure of 760 millimeters of mercury.

(n) "Existing equipment" means equipment which was placed in operation prior to September 1, 1975 or for which a permit has been issued by the Department prior to September 1, 1975.

(o) "New equipment" means all equipment other than existing equipment as defined herein.

(p) "Construction" means fabrication, erection or installation of equipment.

(q) "Modification" means any physical change in, or change in the method of operation of, a stationary source which increased the emission rate of any pollutant for which a national standard has been promulgated by Environmental Protection Agency or which results in the emission of any such pollutant not previously emitted, except that:

(i) Routine maintenance, repair, and replacement shall not be considered a physical change, and

(ii) The following shall not be considered a change in the method of operation.

(A) An increase in the production rate, if such increase does not exceed the operating design capacity of the source;

(B) An increase in the hours of operation;

(C) Use of an alternative fuel or raw material, if prior to the effective date of a section of these regulations which imposed conditions or limits modifications, the source is designed to accommodate such alternative use.

Unless manifestly inconsistent therwith, other words and phrases used in these regulations shall have the same meaning as used in the Act.

SECTION 4. PERMITS

(a) After June 30, 1975 no person shall cause or permit the construction or modification of equipment without first obtaining a permit from this Department pursuant to the provisions of this Section. (However, applications submitted to the Department prior to June 30, 1975 may instead be approved by the Department prior to September 1, 1975 pursuant to the provisions of the Arkansas Air Pollution Control Code provided the permitted emissions do not exceed the limitations provided herein.) Application for permit shall be made on such forms and shall contain such information as the Department may reasonably require. Upon notice, the Director may revoke a permit if he finds that the applicant has failed to comply fully with the terms thereof. Revocations hereunder may be appealed to the Commission.

(b) No permit shall be granted under the Regulations of the Plan unless the applicant shows to the reasonable satisfaction of the Director that the equipment is designed and will be installed or modified to operate without causing a violation of the provisions of the Regulations of the Plan, without causing the National Ambient Air Quality Standards to be exceeded, and within all regulations governing emissions adopted by the United States Environmental Protection Agency pursuant to provisions of the Clean Air Act.

(c) Within 90 days of receipt by the Department of a permit application which contains all such information as required by the Department (unless said period is extended due to the provisions of Subsection (d) below), the Department shall notify the applicant in writing of its approval or disapproval of said application. If an application is disapproved, the Department shall set forth its objections in the notice of disapproval. Within 60 days after service on the applicant of notice of disapproval, exclusive of the day of service, the applicant may request the Department to reconsider the application by answering in writing the Department's objections to the application. The Department shall consider the applicant's answer to its objections, and shall notify the applicant within 90 days of its approval or denial of the application. Failure to answer or request an extension of the notice of disapproval shall be deemed a denial of the application. A hearing before the Commission may be had on the denial, revocation or modification of a permit, as provided in the Act.

(d) No permit application shall be finally approved or disapproved under the provisions of the Regulations of the Plan unless the public has first had opportunity to comment on the Department's tentative approval or disapproval of the application. For purposes of this subsection, opportunity for public comment shall mean the following:

(i) Availability for public inspection in at least one location in the region in which the installation, construction or modification is proposed to take place and in the Department's central offices of the information submitted by the owner or operator and the Department's analysis of the effect of the proposed emissions on air quality.

(ii) A 30-day period for submittal of public comment.

(iii) A notice by prominent advertisement in the region in which the installation, construction or modification is proposed to take place. Such notice shall, as a minimum, describe the locations at which the application and the Department's analysis may be inspected and the procedure for submitting public comment.

(iv) A copy of the notice required pursuant to this subsection shall be sent to the applicant and to the following agencies and officials:

(A) The Regional Administrator of the United States Environmental Protection Agency.

(B) The Arkansas Department of Local Services.

(C) The Mayor of the community in which the equipment is proposed in which to be constructed or modified.

(D) The County Judge of the county in which the equipment is proposed to be constructed or modified.

(E) Air pollution control agencies of adjoining states if the region in which the source is to be located is an interstate air quality control region.

(v) Public comments submitted in accordance with procedures in the public notice described in Subsection (iii) above shall be considered by the Department prior to making its final decision on the application. No later than 10 days after the close of the public comment period, the applicant may submit to the Department a written response to any comments submitted by the public. The Department shall consider the applicant's response in making its final approval or disapproval.

(vi) The Department shall take final action on an application within 60 days after the close of the public comment period. The Department shall notify in writing the applicant of the Department's final actions and the Department's reasons for its final actions. Such notification shall be made available for public inspection in at least one location in the region in which the source is located. Such notification shall remain available for public inspection for at least 10 days. Thereafter, the notice may be inspected at the Department's central office in Little Rock.

(vii) The Department may extend each of the time periods specified in this subsection as agreed to by the applicant and the Director.

(e) When equipment relates to and is part of a secret process or method of manufacture or production, only such part of the permit application as relates to the direct emission of air contaminants to the open air shall be required to be filed with the Department. In order to comply with this subsection, an affidavit signed by an authorized person must be filed with the permit application containing the following information:

(i) Location of process or equipment, specifying the building and the section or part of the building in which it is located;

(ii) In general terms, the name and nature of the process equipment;

(iii) Means to be employed for the control of air contaminant emissions;

(iv) Nature and estimated rate of discharge of air contaminants to the open air;

(v) Dimensions, height, and location of stacks discharging air contaminants to the open air;

(vi) Authority of the person signing the affidavit; and

(vii) A statement that the installation relates to a secret process or method of manufacture or production.

Any information relating to secret processes, methods of manufacture or production which may be required, ascertained or discovered by the Department shall not be disclosed by any Department employee or agent and shall be kept confidential. Affidavits shall be filed with the Commission and shall be accompanied by an application for permit containing all relevant information covering that part of the installation, process or equipment directly emitting air contaminants to the open air and containing all other relevant information except disclosure of the secret process or method of manufacture or production. However, any information relating to the emission of air contaminants, analysis of air quality impact and sampling or monitoring information obtained pursuant to Section 7 shall be available for public inspection.

(f) A permit shall not be required for the installation, alteration, or operation of an air contaminant detector, air contaminant recorder, combustion controller or combustion shutoff, or for any of the following equipment:

(i) Cooling and ventilating equipment - cold storage refrigeration equipment; comfort air conditioning or comfort ventilating systems not designed to remove air contaminants generated by or released from specific units or equipment; natural draft hoods or natural draft ventilation; and water cooling towers and water cooling ponds not used for evaporative cooling of process water or not used for evaporative cooling of water from barometric jets or from barometric condensers.

(ii) Cleaning, washing, and drying equipment - vacuum cleaning systems used exclusively for industrial, commercial or residential housekeeping purposes; equipment used for portable steam cleaning; blast cleaning equipment using a suspension of abrasive water and any exhaust system or collector serving them exclusively; equipment used for washing or drying products fabricated from metal or glass, if no volatile organic materials are used in the process and no oil or solid fuel is burned; and laundry dryers, extractors or tumblers for fabric cleaned with only water solutions of bleach or detergents.

(iii) Furnaces, ovens and heaters - natural gas-fired or liquefied petroleum gas-fired or electrically heated furnaces for heat-treating glass or metals, the use of which does not involve molten materials; kilns for firing ceramic ware,

heated exclusively by natural gas or liquefied petroleum gas or any exhaust system or collector serving them exclusively; blacksmith forges; crucible furnaces; pot furnaces or induction furnaces with a capacity of 1,000 pounds or less each, in which no sweating or distilling is conducted, nor any fluxing conducted utilizing free chlorine, chloride and fluoride derivatives and ammonium compounds; on-lease oil and gas heaters or heater treaters; gas fuel and No. 1 and No. 2 fuel-oil burning equipment used for space heating, service water heating and electric power generation (less than 60,000 lbs./hr. steam capacity); fuel-burning, refuse-burning and cooking equipment used in connection with a structure designed and used exclusively as a dwelling for not more than four families; and bakery ovens and confection cookers where the products are edible and intended for human consumption, and any exhaust system or collector serving them exclusively.

(iv) Testing and inspection equipment - laboratory equipment used exclusively for chemical or physical analysis or experimentation; equipment used for hydraulic or hydrostatic testing; and equipment for inspection of metal products.

(v) Containers - dipping operations for coating objects with oils, waxes or greases, or natural or synthetic resins containing no organic solvents, electrolytic plating with, electrolytic polishing of, or stripping of the following metals; brass, bronze, cadmium, copper, iron, lead, nickel, tin, zinc, and precious metals, storage of butane, propane and liquefied petroleum gas, and storage of lubricating oils.

(vi) Miscellaneous - maintenance, structural changes or repair not involving any change in the quality, nature, or quantity of the emission of air contaminants therefrom, portable asphalt mix plants, equipment used for any mode of transportation, internal combustion engines, vacuum pump in laboratory or pilot plant operations, unheated solvent dispensing containers or unheated solvent rinsing containers of 60 gallons capacity or less, portable brazing, soldering or welding equipment, grain, metal or mineral extrusion presses.

(vii) The following equipment and an exhaust system or collector serving it exclusively - drop hammers or hydraulic presses for forging or metal working, die casting machines, equipment for surface preparation of metals by use of aqueous solutions, except for acid solutions, atmosphere generators used in connection with metal heat treating processes, equipment used exclusively for sintering of glass or metals, but not exempting equipment used for sintering

metal bearing ores, metal scale, clay, fly ash or metal compounds, photographic process equipment by which an image is reporduced upon material sensitized to radiant energy.

(viii) To existing portable asphalt concrete plants which relocate after June 30, 1975 provided that upon relocation the emissions therefrom comply with the limitations of Subsection 8(f)(iv)(B).

(ix) To such other equipment as the Commission may specifically exempt from the requirements of this section, provided that, upon receipt of preliminary application, the Department determines that:

(A) The emissions from the equipment proposed within the application in conjunction with the emissions from existing equipment, if any, on the site on which the proposed new or modified equipment is to be located do not exceed 100 tons/year potential emissions of particulate matter; and

(B) The location and configuration of the proposed equipment is such that the emissions as proposed do not prevent the attainment or maintenance of the secondary standard for particulate matter or the air quality increments provided by the Regulations for the Prevention of Significant Deterioration as promulgated by the United States Environmental Protection Agency.

The applicant shall submit such information as the Department may reasonably require to make the determinations described in Subsections (A) and (B) hereof. Copies of the application, supplemental information and the Commission's determination shall be made a part of the permanent record of the applicant and shall be available for public inspection at the Department's central office. The exemption from the requirement of a permit granted by this subsection (ix) is wholly conditioned on continuing compliance with the terms of the exemption, as granted, and as set forth in paragraphs (A) and (B) hereof. The Director may cancel an exemption granted hereunder for failure to comply with the terms thereof. Operation of a source subject to Section 4 hereof without an exemption having been granted, even within the limits imposed by (A) and (B), and violation of the limits set forth in (A) and (B), even by a source which has been granted an exemption, shall constitute violations of these regulations. Any person granted an exemption hereunder shall, nonetheless, be subject to the requirements of Section 7 hereof.

(g) The provisions of Subsection (f) shall not apply to equipment affected by regulations promulgated by the United States Environmental Protection Agency.

(h) Issuance of a permit by this Department does not relieve the applicant of any responsibility to meet all other requirements of these regulations.

(i) Upon completion of the installation, alteration, or replacement of equipment for which a permit is required, and within 30 days after the equipment has been placed in operation, the Director shall be notified in writing. The Director may require the permittee to conduct such tests as are necessary to determine whether the equipment complies with the provisions of the permit, or the Director may cause such tests to be made by agents of the Department. Noncomplying equipment shall be promptly corrected by the permittee.

(j) The Director may cancel a permit if the installation or alteration is not begun within 18 months from the date of the permit or if the work involved in the installation or alteration is suspended for 18 months or more from the date of issuance of the permit.

SECTION 5. EMISSION LIMITATIONS APPLICABLE TO NEW OR MODIFIED EQUIPMENT

(a) No person shall cause or permit the construction or modification of equipment which would cause or allow applicable emission limitations promulgated by the United States Environmental Protection Agency to be exceeded.

(b) No person shall cause or permit the construction or modification of equipment which would cause or allow emissions to exceed the allowable emission rate as shown on Figure 5(b) of this section. For purposes of this subsection, process weight rate means the total weight of all materials introduced over one hour into any specific piece of equipment directly served by one or more flues or stacks and where the concentration of emissions from such flues or stacks are directly related to the materials introduced to the equipment. It is intended that the above described emission limitations would be applicable to any individual piece of equipment, whether in series or parallel to other pieces of equipment used in the manufacturing process. Solid fuels charged are considered as part of the process weight but liquid and gaseous fuels and combustion air are not. For a cyclical or batch operation, the process weight rate per hour is derived by dividing the total process weight by the number of hours in one complete operation from the beginning of any given process to the completion thereof, excluding any time during which the equipment is idle.

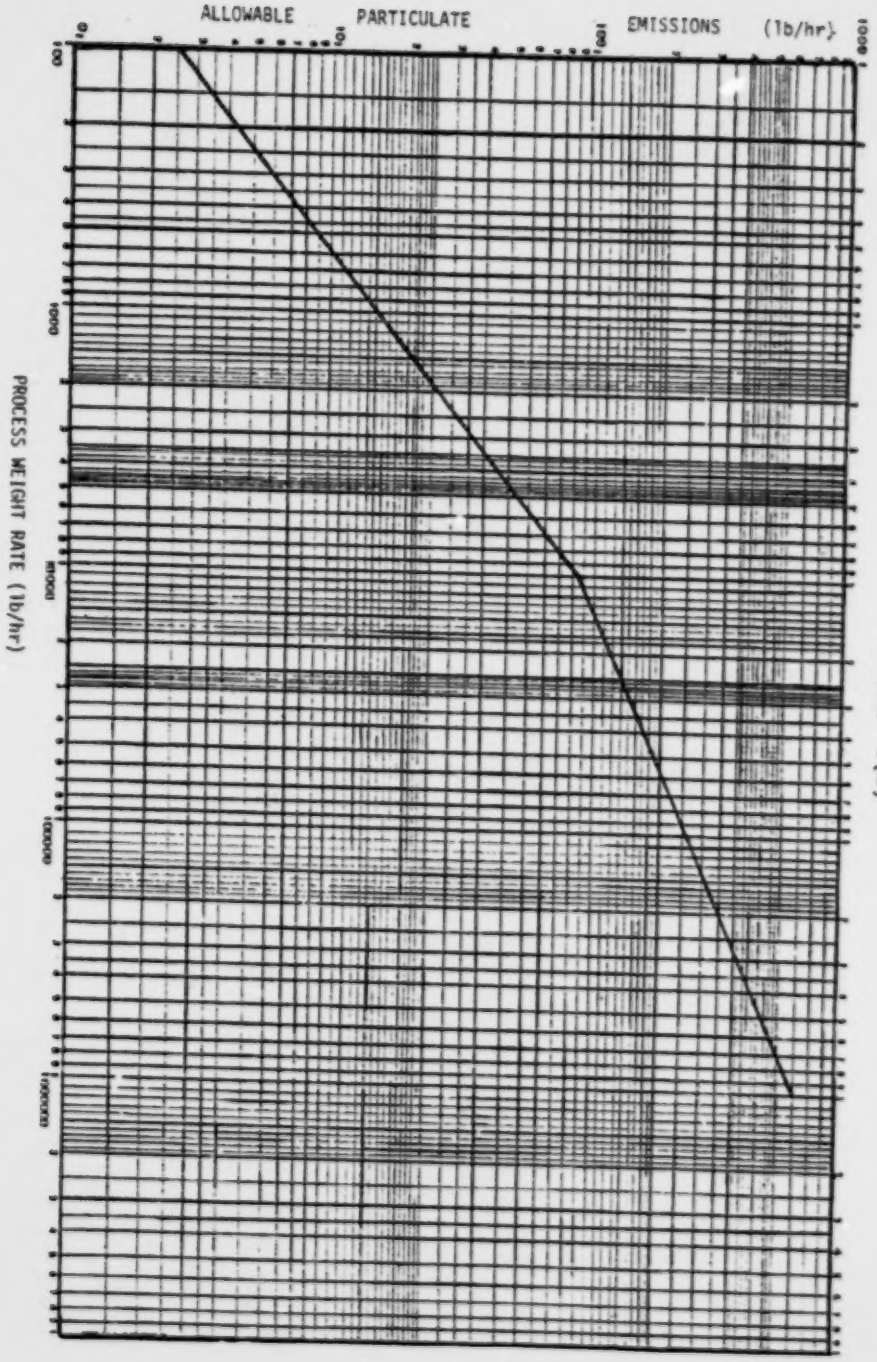
ALLOWABLE PARTICULATE EMISSIONS (lb/hr)
PROCESS WEIGHT RATE (lb/hr)

FIGURE 5(b)

(c) No person shall cause or permit the visible emissions from equipment affected by this section to exceed the visible emission limitations as provided in Subsection 8(e) of these Regulations.

(d) Equipment affected by emission regulations promulgated by the United States Environmental Protection Agency shall not be affected by the emission regulations of Subsection (b) of Section 5, but shall, instead, be governed by said regulations of the United States Environmental Protection Agency.

(e) The emission limitations of this section may be made more restrictive as such limitations apply to individual pieces of equipment or to areas of the state where the Department finds such more restrictive limitations necessary to prevent the National Ambient Air Quality Standards or air quality increments, as defined by the United States Environmental Protection Agency's Regulations for the Prevention of Significant Air Quality Deterioration, from being exceeded.

SECTION 6. UPSET CONDITIONS, REVISED EMISSION LIMITATIONS

(a) Emissions exceeding any of the limits established by the Regulations of the Plan as a direct result of unavoidable upset conditions in the nature of the process, or unavoidable and unforeseeable breakdown of any air pollution control equipment or related operating equipment or as a direct result of shutdown or startup of such equipment for necessary scheduled maintenance, shall not be deemed in violation of these Regulations of the Plan, provided the following requirements are met:

(i) Such occurrence, in the case of unavoidable upset in or breakdown of equipment, shall have been reported to the Director within 24 hours after the occurrence.

(ii) The person responsible for such emission shall submit to the Director, at his request, a full report of such occurrence, including a statement of all known causes and of the scheduling and nature of the actions to be taken to minimize or eliminate future occurrences, including but not being limited to action to reduce the frequency of occurrence of such conditions, to minimize the amount by which said limits are exceeded and to reduce the length of time for which said limits are exceeded.

(iii) In the case of shutdown for necessary scheduled maintenance, the intent to shutdown shall be reported to the Director at least 24 hours prior to the shutdown; provided, however, that the exception provided by this subsection shall only apply in those cases where maximum reasonable effort has been made to accomplish such maintenance during periods of non-operation of any related source operation or where it would be unreasonable or impossible to shut down the source operation during the maintenance period.

(b) The emission limitations contained within the Regulations of the Plan are for the purpose of assuring the attainment and maintenance of the National Ambient Air Quality Standards and have been established within the framework of information presently available to the Department. As additional and more precise information becomes available, the emission limitations and reporting procedures of this section may be amended as described below:

(i) In accordance with the provisions of the Clean Air Act, as amended, and the federal regulations promulgated pursuant to the Clean Air Act, the emission limitations and reporting procedures of this section may be further amended and made more restrictive where the Commission finds more restrictive measures necessary to assure the attainment and maintenance of the National Ambient Air Quality Standards. Depending upon the nature of the Commission's finding, the Commission may recommend to the administrator of the Environmental Protection Agency that more restrictive emission limitations be placed on those sources described in Sections 5 and 8 hereof or that additional sources be placed under the requirements of this Plan by including such additional sources and the associated emission limitations within Section 8 hereof.

(ii) In accordance with the provisions cited in Subsection (i) of this Subsection 6(b), the Commission may recommend to the Administrator of the Environmental Protection Agency, on a case by case basis, less restrictive requirements than those provided in the Regulations of the Plan upon its findings that the emission limitations as set forth are physically, economically or technologically unattainable and that full compliance with the aforecited limitations is not necessary to assure attainment or maintenance of the National Ambient Air Quality Standards. Such findings shall be made upon the basis of information generally available to the Commission and the information contained within the petition for less stringent limitations, which petition may be filed with the Commission by the owner or operator of a source affected by Sections 5 and 8 and which petition shall contain such information and which petition shall be filed as soon as the owner or operator of the source determines that full compliance cannot be achieved or that full compliance is unnecessary for purposes of attainment of the National Ambient Air Quality Standards.

(iii) In making determinations with respect to the provisions of Subsection (b) hereof, the Commission shall take into consideration the following factors:

(A) The process, fuels, and raw material available and to be employed in the facility involved.

(B) The engineering aspects of the application of various types of control techniques which have been adequately demonstrated.

(C) Process and fuel changes.

(D) The respective costs of the application of all such control techniques, process changes, alternative fuels, etc.

(E) Locational and siting considerations.

(iv) In no case shall the Commission recommend, approve or condone less stringent emission limitations than those set forth in these Regulations where less stringent limitations would prevent the attainment of the National Ambient Air Quality Standards or would cause applicable air quality increments, as provided in Subpart A, Part 52, Chapter I, Title 40, Code of Federal Regulations, to be exceeded.

SECTION 7. SAMPLING AND MONITORING REQUIREMENTS

(a) Sampling

(i) Any person owning or operating equipment shall, upon request, by the Director, conduct sampling to determine the opacity, rate, composition, and/or concentration of such emissions. Sampling shall be conducted at a frequency and within a period of time as specified by the Director. The sampling method shall be specified by the Director and, further, the sampling shall be conducted so as to reflect with reasonable accuracy characteristics of such emissions. Any person affected by this regulation may request the Director to approve alternate sampling techniques or other means to determine the opacity, rate, composition, and/or concentration of emissions. The Director may approve such alternate methods or means if it can be demonstrated that such alternatives will be substantially equivalent to the sampling methods specified by the Director or the Commission.

(ii) Copies of all data, computations and results obtained under this regulation shall be retained by the owner or operator of a source for at least five (5) years and shall be made available to the Commission or any members, employees or agents thereof, during regular business hours.

(b) Sampling Ports

(i) Any person owning or operating equipment shall, upon request of the Director, provide, in connection with each flue, a power source near the point of testing in addition to such sampling and testing facilities and sampling ports, including safe and easy access thereto, exclusive of instruments

and sensing devices, as may be necessary for the Department to determine the nature and quality of emissions which are or may be discharged as a result of operations of the equipment served by the flue.

Evidence and data based on these samples and calculations may be used to substantiate violations of the Act or the Regulations of the Plan. Agents of the Department shall be permitted to sample the stacks during operating hours.

(c) Filing of Emissions Data

(i) Upon request by the Director, any person affected by any Regulation of the Plan or by the Arkansas Air Pollution Control Code shall file emissions data with the Department on forms supplied by the Department.

(d) Sampling Procedures and Terminology

(i) Where not otherwise specified in Regulations of the Plan, and orders of the Commission, the procedures used for sampling air and measuring air contaminants, and the methods of expressing the findings shall be those commonly accepted and used in the field of air pollution control.

(e) Continuous Monitoring

(i) The Director may require the owner or operator of any air contaminant source to install, use, and maintain such monitoring equipment; sample such emissions in accordance with methods as the Director shall prescribe; establish and maintain such records; and make such periodic emission reports as required below.

(f) Reporting General Process Information

(i) The owner or operator of any equipment shall, upon request of the Director, supply such information, as the Director may reasonably require and as may be necessary, to determine the impact that the operation of such equipment has, or will have, on air quality levels. Such information shall be made on forms made available by the Department or in a format prescribed by the Director.

(g) Reporting Emission Data

(i) The owner or operator of any equipment shall, upon notification by the Director, maintain records of the nature and amount of emissions, to which an air quality control emission regulation applies, from the source and any other information (in addition to that data required above) as may be deemed necessary by the Director to determine whether the source is in compliance with applicable regulations.

(ii) The information recorded shall be summarized and reported to the Director, on forms furnished by the Director, and shall be submitted within 45 days after the end of the reporting period. Reporting periods are June 1 through November 30 and December 1 through May 31 or such other periods as the Director may specify. Information reported to the Director shall be signed by the person responsible for its accuracy.

(iii) Emission data obtained by the Director shall be correlated with applicable emission limitations and other control measures and be made available to the public during normal business hours.

SECTION 8. COMPLIANCE SCHEDULES AND EMISSION LIMITATIONS APPLICABLE TO EXISTING EQUIPMENT

(a) The provisions of this section shall be in full effect June 30, 1975, and are applicable only to existing equipment specifically identified in this section.

(b) No person shall cause or permit the emissions of particulate matter from the equipment identified hereinunder to exceed the limitations of this section and no person shall cause or permit the modification of said equipment without first having obtained a permit from the Department in accordance with the provisions of Section 4 of these regulations.

(c) Owners or operators of equipment identified hereinunder shall supply upon request of the Director such information as may be required under the provisions of Section 7 of these regulations, information regarding preventive maintenance, and information regarding other maintenance, structural changes or repairs which do not otherwise require issuance of permit by the Department.

(d) No person shall cause or permit visible emissions (other than uncombined water vapor) from equipment identified hereinunder and which was installed and in operation, or for which a permit had been issued by the Department prior to January 30, 1972 to exceed the following limitations:

(i) Emissions shall not exceed a density equal to or darker than No. 2 on the Standard Smoke Chart, or an opacity which obscures vision to a degree equal to or greater than No. 2 will be allowed for not more than five minutes in the aggregate in any consecutive 60 minute period, provided such emissions will not be permitted more than three times during any 24 hour period.

(e) No person shall cause or permit visible emissions (other than uncombined water vapor) from new equipment or equipment identified hereinunder which was installed or permitted by the Department after January 30, 1972 to exceed the following limitations or to exceed any applicable visible emission limitations of the New Source Performance Standards promulgated by the United States Environmental Protection Agency:

(i) For incinerators and fuel burning equipment, exclusively, emissions shall not exceed a density equal to or darker than No. 1 on the Standard Smoke Chart, or an opacity which obscures vision to a degree equal to or greater than smoke No. 1 density, except emissions of a density or opacity greater than No. 1, but not exceeding No. 3, will be allowed for not more than five minutes in the aggregate in any consecutive 60 minute period, provided such emissions will not be permitted more than three times during any 24 hour period.

(ii) For equipment used in a manufacturing process, emissions shall not exceed a density equal to or darker than No. 1 on the Standard Smoke Chart or an opacity that obscures vision to a degree equal to or greater than smoke of No.1 density.

(f) No person shall cause or permit the operation of the equipment described below to be operated in a manner which would exceed or violate the standards set forth hereinafter.

(i) The effective date of the following emission limitations is June 1, 1975 or as the new sources included herein, go into operation.

SECTION 8 (Cont.)

REGION 16

CSN	Name	Process Equipment	PCD	Allowable Emission (lb/hr)
150001	Arkansas Kraft at Morrilton	1. Recovery Boiler	ESP	425
		2. Smelt Tank	Mist E.	25
		3. Lime Kiln	Scrubber	110
		4. No. 1 Bark Boiler	Cyclone	150
		5. No. 2 Boiler	Cyclone	135
		6. Power Boiler		39
260002	Union Carbide at Hot Springs	1. Ore Dryer	Scrubber	75
		2. Coarse Ore	F. Filter	15
		3. Dry Grind	Scrubber	30
		4. Fine Ore - East	F. Filter	5
		5. Fine Ore - West	F. Filter	5
		6. Intermediate Ore	Scrubber	5
		7. PREHEATER Feed	Scrubber	5
		8. Salt Pulverizer	Scrubber	5
		9. Roaster Off-gas*	Scrubbers	250
		10. Kiln Cooler	Scrubbers	15
		11. MVO Product	Scrubber	10
		12. Limestone	F. Filter	3
		13. Hydrated Lime	F. Filter	3

* Equipped with a standby scrubber for use 10% of time when main scrubber is being repaired. Maximum allowable emission rate is same for situations.

CSN	Name	Process Equipment	PCD	Allowable Emission (lb/hr)
300008	Acme Brick at Malvern	1. Rotary Kilns	Scrubber	80
300009	Baroid National Lead at Malvern	1. Roasting Kiln	F. Filter	150
350016	International Paper at Pine Bluff	1. Wood Waste Boiler	Cyclone	500
		2. No. 2 Recovery Boiler	ESP	80
		3. No. 3 Recovery Boiler	ESP	80
		4. No. 4 Recovery Boiler	ESP	225
		5. No. 4 Recovery Boiler	ESP	225
		6. No. 2 Smelt	Mist E.	30
		7. No. 3 Smelt	Mist E.	30
		8. No. 4 Smelt	Mist E.	55
		9. No. 1 Lime Kiln	Scrubber	45
		10. No. 2 Lime Kiln	Scrubber	45
		11. No. 1 Slaker Vent		40
		12. No. 2 Slaker Vent		40
		13. No. 1 Power Boiler	Cyclone	65
		14. No. 1 Power Boiler	Cyclone	65
		15. No. 2 Power Boiler	Cyclone	65
		16. No. 2 Power Boiler	Cyclone	65
		17. Keeler Package Boiler		15
		18. C.E. Package Boiler		10
		19. Wickes Package No. 1		10
		20. Wickes Package No. 2		10
350017	Weyerhaeuser at Pine Bluff	1. Lime Kiln	Scrubber	40
		2. Recovery Furnace	ESP	800
		3. Slaker Vent		20
		4. Dissolving Tank		35

CSN	Name	Process Equipment	PCD	Allowable Emission (lb/hr)
*430002	Arkansas Lightweight at England	1. 125 Ft. Kiln		140
		2. 150 Ft. Kiln		140
600001	Stauffer Chemical at Little Rock	1. Bauxite Kiln	Cyclone	97
		2. Clay Kiln	Cyclone	85
600004	Porocel Chemical at Little Rock	1. Dryer	Scrubber	95
		2. Mill	Scrubber	13
		3. Calcinator #1	Scrubber	32
		4. Calcinator #2	Scrubber	32
600005	A. P. Green at Little Rock	1. Kiln	F. Filter	130
630005	Reynolds Aluminum at Bauxite	(Bldg. 50)		
		1. Calcining rotary kiln	ESP	60
		2. Calcining rotary kiln	ESP	60
		3. Calcining rotary kiln	ESP	60
		4. Calcining rotary kiln	ESP	60
		5. Calcining rotary kiln	ESP	60
		6. Calcining rotary kiln	ESP	60
		7. Calcining rotary kiln	ESP	60
		8. Calcining rotary kiln	ESP	60
		9. Calcining rotary kiln	ESP	60
		(Bldg. 225)		
		10. Sinter kiln	ESP	60
		11. Sinter kiln	ESP	60
		12. Sinter kiln	ESP	60
		13. Sinter kiln	ESP	60
		14. Sinter kiln	ESP	60
		15. Sinter kiln	ESP	60
		16. Lime kiln	Scrubber	120

* The requirements of subsection (d) of this section shall not be in effect until February 1, 1976

CSN	Name	Process Equipment	PDC	Annual Equipment Utilization (Percent)	Allowable Emission (lb/hr)
630010	Alcoa at Bauxite	(Bldg. 50)			
		1. No. 1 kiln	ESP	77	30
		2. No. 2 kiln	ESP	77	30
		3. No. 3 kiln	ESP	77	30
		4. Calciner	ESP	77	55
		5. Fugitive	10 F. Filters	100	12
		(Bldg. 51)			
		6. Fugitive	1 F. Filter	100	1.2
		(Bldg. 55)			
		7. Fugitive	3 F. Filters	100	1.5
		(Bldg. 60)			
		8. No. 1 kiln	Cyclone	50	35
		9. No. 2 kiln	ESP	80	20
		10. Fugitive	8 F. Filters	100	4.5
		(Bldg. 70)			
		11. Fugitive	1 Scrubber 5 F. Filters	100	3
		(Bldg. 104)			
		12. Kiln	Rotoclone	75	80
		(Bldg. 106)			
		13. Fugitive	F. Filter	100	4
		Fugitive	F. Filter	100	1.2
		(Bldg. 110)			
		14. Boiler		100	10
		15. Boiler		100	10
		16. Boiler		100	10
		17. Boiler		100	14

CSN	Name	Process Equipment	PCD	Annual Equipment Utilization (Percent)	Allowable Emission (lb/hr)
630010	Alcoa at Bauxite (cont.)	(Bldg. 225)			
		18. No. 1 kiln	ESP	80	100
		19. No. 2 kiln	ESP	80	25
		20. No. 3 kiln	ESP	80	25
		21. No. 4 kiln	ESP	80	25
		22. No. 5 kiln	ESP	80	25
		23. No. 6 kiln	ESP	80	25
		24. No. 7 kiln	ESP	80	25
		25. No. 1 cooler	Multiclone	85	75
		26 No. 7 cooler	Multiclone	85	135
		(Bldg. 400)			
		27. Process	Cyclone	75	50
		28. Process	Cyclone	75	50
		29. Process	Cyclone	75	50
		30. Process	8 F. Filters	100	12
		(Bldg. 405)			
		31. No. 1 kiln	Multiclone	85	75
		32. No. 2 kiln	ESP	85	35
		(Bldg. 410)			
		33. Fugitive	5 F. Filters	100	12.5
		(Bldg. 415)			
		34. Fugitive	8 F. Filters	100	24
		(Bldg. 420)			
		35. Fugitive	12 F. Filters	100	30
		(Bldg. 425)			
		36. Converter No. 1		85	1
		37. Converter No. 2		85	1
		38. Converter No. 3		85	1

CSN	Name	Process Equipment	PCD	Annual Equipment Utilization (Percent)	Allowable Emission (lb/hr)
630010	Alcoa at Bauxite (cont.)	39. Converter No. 4		85	1
		40. Converter No. 5		85	1
		41. Converter No. 6		85	1
		42. Converter No. 7		85	1
		43. Converter No. 8		85	1
		44. Converter No. 9		85	1
		45. Dryer No. 1		85	5
		46. Dryer No. 2		85	5
		47. Dryer No. 3		85	5
		48. Dryer No. 4		85	5
		49. Dryer No. 5		85	5
		50. Dryer No. 6		85	5
		51. Dryer No. 7		85	5
		52. Dryer No. 8		85	5
		53. Dryer No. 9		85	5
		54. Cooler No. 1		85	5
		55. Cooler No. 2		85	5
		56. Cooler No. 3		85	5
		57. Cooler No. 4		85	5
		58. Cooler No. 5		85	5
		59. Cooler No. 6		85	5
		60. Cooler No. 7		85	5
		61. Cooler No. 8		85	5
		62. Cooler No. 9		85	5
		63. Fugitive	6 F. Filters	100	30
		(Bldg. 526)			
		64. Converter No. 1		85	1
		65. Converter No. 2		85	1
		66. Converter No. 3		85	1
		67. Converter No. 4		85	1
		68. Dryer No. 1		85	5
		69. Dryer No. 2		85	5
		70. Dryer No. 3		85	5
		71. Dryer No. 4		85	5

CSN	Name	Process Equipment	PCD	Annual Equipment Utilization (Percent)	Allowable Emission (lb/hr)
630010	Alcoa at Bauxite (cont.)	(Bldg. 426 Cont.)			
		72. Cooler No. 1		85	5
		73. Cooler No. 2		85	5
		74. Cooler No. 3		85	5
		75. Cooler No. 4		85	5
		76. Fugitive	8 F. Filters	100	6
		(Bldg. 451)			
		77. Fugitive	7 F. Filters	100	10.5
		78. Fugitive	Hydral Spray Tower	85	2.0

Except for the equipment identified as being served by fabric filters, the limitations of this subsection and Subsection (d) of this section shall not be in effect until June 1, 1977 for the equipment located in Buildings 425 and 426 provided the following conditions are fully met.

(A) The following increments of progress are met and promptly reported as such increments relate to the installation of equipment which will enable attainment of the limitations of this subsection:

ACTION	DATE
(1) Date of submittal of the source's final control plan to the Department of Pollution Control and Ecology;	March 1, 1975
(2) Date by which contracts for emission control systems or process modifications will be awarded; or date by which orders will be issued for the purchase of component parts to accomplish emission control or process modification;	July 1, 1975
(3) Date of initiation of on-site construction or installation of emission control equipment or process change;	October 1, 1975
(4) Date by which on-site construction or installation of emission control equipment or process modification is to be completed;	January 1, 1977
(5) Commencement date or operation of with emission control system in place and functioning; and	March 1, 1977
(6) Date by which full and final compliance is achieved, which compliance is recognized by the filing of a certificate of compliance with the Department and which certificate is based upon a sampling program approved by the Commission.	June 1, 1977

(B) The equipment utilization, on annual average, does not exceed the percent utilization given for each piece of equipment as described above under CSN 630010. For purposes of this regulation, annual equipment

utilization for similar pieces of equipment serving parallel processes located in the same building and having identical allowable emission rates, may be determined by computing an equivalent annual average. An equivalent annual average is computed by summing the number of hours which each of (N) similar pieces of equipment is operated during a year and dividing that sum by the product of (N) and 8,760 hours. The owner or operator of the equipment affected by this requirement shall maintain such records as may be necessary to assure the Director that the equipment utilization rates as provided above are not exceeded.

(C) The requirements of Subsection (B) above shall be rescinded upon full attainment of the emission limitations provided above for the equipment in Buildings 425 and 426.

CSN	Name	Process Equipment	PCD	Allowable Emission (lb/hr)
630011	American Cyanamid at Bryant	1. Rotary kiln	Baghouse	50
630012	Milwhite Company at Bryant	1. 30 Ft. kiln	F. Filter	23
		2. 40 Ft. kiln	F. Filter	32
		3. Product Bin Vent	F. Filter	26
		4. #1 & #2 Mills	F. Filter	50
600409	Little Rock Sewage Treatment Plant at Little Rock	1. Incinerator	Scrubber	30
600003	Minnesota Mining and Manufacturing at Little Rock	1. Dryer	ESP	50
		2. Crusher	F. Filter	50
		3. Rotary kiln - No. 1	Cyclone	25
		4. Rotary kiln - No. 2 & 3		200
		5. Preheater	ESP	150
		6. Mixers		100
		7. Coolers		100
		8. Clay Tank	F. Filter	10
		9. Filler Bin	F. Filter	10
300019	(a) Reynolds Aluminum at Jones Mill	1. Furnace Buildings 58 & 60	Stack	70
		2. Furnace Building 50	Stack	35
		3. Fugitive dust system for Green Mill	ESP	134
		4. Electro-Melt Furnace	F. Filter	3

(b) Visible emissions in excess of the limitations of these Regulations of the Plan may be permitted from the stacks serving Buildings 50, 58 and 60 during those periods in which the fires in the furnace are being moved, provided that such excessive emissions do not occur more than one hour, in the aggregate, per day from each of the two stacks and provided, further, that the maximum allowable emission rate in lbs/hr for each stack is not exceeded.

CSN	Name	Process Equipment	PCD	Allowable Emission (lb/hr)
	(c) Fugitive emissions from the pot rooms to the open air shall not exceed 0.06 grains/standard cubic foot measured in the roof monitor at the approximate mid-point of the pot line.			
100004	(a) Reynolds Aluminum at Gum Springs	1. Pot Line	4 parallel scrubbers served by 4 stacks	75/stack
	(b) Fugitive emissions from the pot rooms to the open air shall not exceed 0.06 grains/standard cubic foot measured in the roof monitor at the approximate mid-point of the pot line.			
		REGION 17		
660028	Fourco Glass at Fort Smith	1. Unloading 2. Furnace 3. Furnace	F. Filter	60 38 30
660081	Acme Brick at Fort Smith	1. Grinding 2. Screening	Enclosed operation Enclosed operation	115 80
720068	Moore Drop Forging	1. Grinding	Cyclone	160
		REGION 18		
180084	Temple Gypsum at West Memphis	1. Dryer	ESP & F. Filter	120
*180082	Arkansas Lightweight Aggregate at West Memphis	1. Old kiln 2. New kiln	Scrubber	140 40

* The requirements of subsection (d) of this section shall not be in effect until July 1, 1976

CSN	Name	Process Equipment	PCD	Allowable Emission (lb/hr)
*180010	Mid-South Foundry at West Memphis	1. Cupola	F. Filter	40
		REGION 19		
020013	Georgia-Pacific at Crossett	1. No. 2 Lime kiln	Scrubber	57.5
		2. No. 3 Lime kiln	Scrubber	57.5
		3. No. 7 Recovery	ESP	147.5
		4. No. 7 Recovery	ESP	147.5
		5. No. 7 Recovery	ESP	147.5
		6. No. 7 Recovery	ESP	147.5
		7. No. 7 Smelt	Scrubber	21.5
		8. No. 7 Smelt	Scrubber	21.5
		9. No. 6 Recovery	ESP	375
		10. No. 6 Recovery	ESP	375
		11. No. 6 Smelt	Scrubber	20
		12. No. 5 Recovery	ESP	225
		13. No. 5 Smelt		35
		14. No. 1A Boiler		15
		15. No. 2A Boiler		15
		16. No. 3A Boiler		15
		17. No. 4A Boiler		15
		18. 5A Boiler	Cyclone	20
		19. 6A Boiler	Cyclone	160
		20. 7A Boiler		15
		21. 8A Boiler		15
		22. 9A Boiler	Scrubber	360
		23. Lime Slaker		40
520013	International Paper at Camden	1. W.W. Boiler		350
		2. Slaker Vent	Scrubber	20

*The requirement of subsection (d) of this section shall not be in effect until January 1, 1976

CSN	Name	Process Equipment	PCD	Allowable Emission (lb/hr)
520013	International Paper at Camden (cont.)	3. Lime kiln	Scrubber	70
		4. No. 1 Recovery Boiler	ESP	100
		5. No. 1 Recovery Boiler	ESP	100
		6. No. 2 & 3 Recovery	ESP	70
		7. No. 1 Dis. Tank	Scrubber	25
		8. No. 2 Dis. Tank	Scrubber	40
		9. No. 3 Dis. Tank	Scrubber	60
		10. No. 1 Power Boiler		60
		11. No. 2 Power Boiler		60
700014	Cities Service Co. at El Dorado	1. Unit A	F. Filter	20
		2. Unit B	F. Filter	20
		3. Unit C	F. Filter	20
		4. Scrubber A		20
		5. Scrubber B		20
700016	Lion Oil Company	1. No. 3 Cracker	ESP	200
		2. No. 7 Cracker	ESP	200
		3. Low P. Boiler		14
		4. Low P. Boiler		14
		5. Low P. Boiler		14
		6. High P. Boiler		18
		7. High P. Boiler		18
		8. High P. Boiler		18
700038	J. & M. Poultry at El Dorado	1. Feed Mill	Cyclone	32
700040	Monsanto	1. H_2SO_4 Conc.	Scrubber	9
		2. East AN Neut.	Mist. E.	27
		3. West AN Neut.	Mist. E.	27
		4. AN Low Conc.	Mist. E.	10
		5. AN Prilling Tower	Scrubber	8
		6. AN Prilling Tower	Fan	67
		7. SA Absorption		35

CSN	Name	Process Equipment	PCD	Allowable Emission (lb/hr)
520007	Celotex Corporation at Camden	1. Multiple sources	Cyclone	25
		2. Asphalt saturator		33
		3. Asphalt saturator		17
		4. Baghouse		4
		REGION 20		
380019	Frit Industries (Gulf Oil Co.)	1. Thermal Oxidizer	Scrubber	3
		2. Granulation Plant	Cyclone #1	11
		3. Granulation Plant	Cyclone #2	3
		4. Granulation Plant	Granulation Exhaust Stack	6
470012	Agrico Chemical at Blytheville	1. A. Granulator	Scrubber	190
		2. B. Granulator	Scrubber	190
		3. C. Granulator	Scrubber	190
540003	Gardinier Big River at Helena	1. AN Prilling Tower		20
		2. AN Prilling Tower		20
		3. AN Prilling Tower		20
		4. AN Prilling Tower		20
		5. AN Conc. Vent		20
		6. AN Predryer Vent		40
		7. AN Dryer Vent		40
		8. AN Cooler Vent		40
		9. AN Prill Coaring		9
		10. AN Product Bagging		20
		11. Ammonium Phos. Fume	Scrubber	30
		12. Ammonium Phos. Dust	Scrubber	278
		13. Ammonium Phos. Neut.		5
		14. Boiler A		20
		15. Boiler B		5
		16. Boiler C		20

CSN	Name	Process Equipment	PCD	Allowable Emission (lb/hr)
540003	Gardinier Big River at Helena (cont.)	17. Ammonia Reformer Boiler		10
		18. Bulk Product Loading		20
		19. No. 1 Phosphate Grinder		18
		20. No. 2 Phosphate Grinder		12
		21. Phosp. Acid Fume Scrubber		5
		22. Urea Plant Cooling Vent		50
		23. Urea Plant Drying System		30
		24. Urea Prilling Tower Fan		25
		25. Urea Prilling Tower Fan		25
		26. Urea Prilling Tower Fan		25
		27. Urea Prilling Tower Fan		25
		28. Urea Surge Tank Vent		10
		29. Sulphuric Acid Plant		42.5
540004	Mohawk Rubber at Helena	1. Mixing	F. Filter	27
		2. Boiler		1
		REGION 21		
330002	Silica Products at Guion	1. Dryer	Cyclone	32
		2. Kiln	F. Filter	72
		REGION 22		
310005	Ideal Cement at Okay	1. No. 1 Kiln	ESP	70
		2. No. 2 Kiln	ESP	70
		3. No. 1 Cooler	Cyclone	50
		4. No. 2 Cooler	Cyclone	50
		5. Dryer	F. Filter	20

CSN	Name	Process Equipment	PCD	Allowable Emission (lb/hr)
310010	Weyerhaeuser Gypsum Wallboard at Briar	1. Flash Drying Roller #1	Cyclone	86
		2. Flash Drying Roller #2	Cyclone	86
		3. Flash Drying Roller #3	Cyclone	86
		4. Flash Drying Roller #4	Cyclone	86
		5. Kettle #1	Cyclone	267
		6. Kettle #2	Cyclone	267
		7. Kettle #3	Cyclone	267
		8. Kettle #4	Cyclone	267
		9. Kettle #5	Cyclone	267
		10. Kettle #6	Cyclone	267
		11. Six Hot Pits (Storage Bins)	2 Cyclones, Baghouse	81
		12. Rotary Dryer	Scrubber	5
		13. Bundler End Saws (4)	Scrubber	1
410001	Arkansas Cement at Foreman	1. No. 1 Kiln	ESP	67
		2. No. 2 Kiln	ESP	63
		3. No. 3 Kiln	ESP	170
		4. No. 1 Cooler		132
		5. No. 2 Cooler		157
		6. No. 3 Cooler		186
410002	Nekoosa-Edwards at Ashdown	1. Recovery Furnace	ESP	575
		2. Smelt Tank	Scrubber	154
		3. Power Boiler	Cyclone	342
		4. Lime Kiln	Scrubber	107
		5. New Power Boiler	Scrubber	75
		PLANTS UNDER CONSTRUCTION		
350110	Arkansas Power & Light at White Bluff	1. Coal fired Boiler #1	ESP	
		2. Coal fired Boiler #2	ESP (Common stack)	1,667

PLANTS UNDER CONSTRUCTION

CSN	Name	Process Equipment	PCD	Allowable Emission (lb/hr)
040107	Southwestern Electric Power Co. at Gentry	1. Coal fired Boiler	ESP	516
210036	Potlatch Corporation at McGehee	1. Recovery Boiler	ESP	230
		2. Lime Kiln	Scrubber	40
		3. Smelt Tank	Scrubber	20
		4. Power Boiler		60
		5. Sludge Incinerator	Scrubber	25
320036	Arkansas Eastman Co. at Batesville	1. Coal fired Boiler #1	ESP	
		2. Coal fired Boiler #2	ESP	
		3. Coal fired Boiler #3	ESP	
			(Common stack)	165

(ii) Stone Quarrying and Crushing Operations

(A) The requirements of this subsection shall apply to limestone and crushing operations having a primary crushing capacity of 300 tons per hour and to all other stone quarrying and crushing operations having a primary crushing capacity of 500 tons per hour.

(B) Prior to September 1, 1975, owners and operators of quarrying and crushing operations affected by the provisions of this subsection shall notify the Department in writing as to the location of said quarrying and crushing operations and shall describe the nature of the operation, the capacity of the equipment used at said location, and the nature and estimated efficiency of air pollution control techniques employed at said location.

(C) No person shall cause or permit the operation of a quarrying and crushing operation affected by the provisions of this subsection in a manner which would allow excessive and unnecessary amounts of particulate matter to become airborne. For purposes of this requirement, wet sprays on the inlets and outlets of crushers, or equivalent controls, shall be considered minimal controls necessary to prevent unnecessary amounts of particulate matter from becoming airborne. No quarrying or crushing facility shall be permitted to operate in a manner which would cause visible emissions to extend beyond the property line of the affected facility or which would interfere with the attainment and maintenance of the National Ambient Air Quality Standards.

(iii) Rice and Soybean Processing Facilities

(A) The requirements of this section shall apply to facilities known as rice mills and soybean processing plants. It is not intended that these regulations apply to facilities designed for the drying and storage of rough rice or soybeans.

(B) No person shall cause or permit the operation of facilities affected by the provisions of this subsection in a manner which would allow the emission of particulate matter from said facilities to exceed 1.5 pounds for each ton of rice or soybeans processed.

(iv) Asphalt (Mix) Concrete Plants

(A) No person shall cause or permit the operation of an asphalt concrete plant, constructed or modified after

June 11, 1973, to exceed the Standards of Performance for New Stationary Sources (40 CFR 60.90) as promulgated by the United States Environmental Protection Agency.

(B) After June 1, 1976, no person shall cause or permit the operation of an asphalt concrete plant, constructed or modified prior to June 11, 1973, except as specified herein. Prior to commencement of operation at any location, the owner or operator shall notify the Director in writing of the location of the asphalt concrete plant, stating the capacity of the plant, the control equipment to be used and the expected rate of emissions. Upon receipt of such notification, the Director may authorize the operation as proposed by said owner or operator or may require, where the plant is proposed to be operated in areas of high population density or areas in which the National Ambient Air Quality Standards are threatened, more stringent controls than proposed by said owner or operator. In no case, however, shall the Director approve or authorize the operation of an asphalt plant from which the emissions exceed 100 lbs./hr. or 1000 lbs./day.

(C) Routine maintenance, repair and replacement, relocation of a portable plant, change of aggregate, and transfer of ownerships are not considered modifications which would require a plant which was constructed prior to June 11, 1973 to comply with the provisions of subsection (A) of this subsection.

(D) Portable asphalt concrete plants which relocate after June 30, 1975 shall, upon said relocation, comply fully with the provisions of subsection (B) of this subsection.

(E) Except as provided by the provision of subsection (B) of this subsection, portable asphalt concrete plants which were constructed or modified prior to June 11, 1973 shall not be affected by the visible emission limitations of the Regulations of the Plan.

SECTION 9. SEVERABILITY

If any provision of the Regulations of the Plan or the application thereof to any person or circumstance is held invalid, such invalidity shall not affect other provisions or applications of the Regulations of the Plan which can be given effect without the invalid provision or application, and to this end the provisions of the Regulations of the Plan are declared to be severable.

SECTION 10. EFFECTIVE DATE

These Regulations of the Plan shall be in full force and effect as of June 30, 1975.

REGULATIONS FOR THE CONTROL OF VOLATILE ORGANIC COMPOUNDS

Section 1. TITLE

The following rules and regulations, adopted in accordance with the provisions of the Arkansas Water and Air Pollution Control Act and pursuant to the provisions of the Federal Clean Air Act, shall be known as the Regulations for the Control of Volatile Organic Compounds.

Section 2. PURPOSE

The Regulations for the Control of Volatile Organic Compounds are designed to provide for the attainment and maintenance of the National Ambient Air Quality Standards for Photochemical Oxidants in those areas of Arkansas which have been designated as non-attainment areas by the United States Environmental Protection Agency pursuant to the Federal Clean Air Act and are further designed to bring the Arkansas Plan of Implementation for Air Pollution Control into compliance with the provisions of said Act.

Section 3. DEFINITIONS

When used in these regulations, the following definitions apply:

(a) "Commission" means the Commission on Pollution Control and Ecology of the State of Arkansas.

(b) "Control Technique Guideline" means any of the guideline series documents describing an emission control technology for a specific source

or category of sources; which documents being published by the United States Environmental Protection Agency.

(c) Cutback Asphalt" means asphalt cement which has been liquified by blending with petroleum solvents (diluents). Upon exposure to atmospheric conditions, the diluents evaporate, leaving the asphalt cement to perform its function.

(d) "Department" means the Arkansas Department of Pollution Control and Ecology.

(e) "Director" means the Director of the "Department".

(f) "Delivery Vessel" means tank trucks or trailers equipped with a storage tank and used for the transport of gasoline from sources of supply to stationary storage tanks of gasoline dispensing facilities.

(g) "EPA" means the United States Environmental Protection Agency.

(h) "Existing Source" means any source of volatile organic compounds other than a new source.

(i) "Gasoline Dispensing Facility" means any site where gasoline is dispensed to motor vehicle gasoline tanks from stationary storage tanks.

(j) "Lowest Achievable Emission Rate" means for any source, that rate of emissions which reflects -

(1) The most stringent emission limitation which is contained in the implementation plan of any State for such class or category of source demonstrates that such limitations are not achievable, or

(2) The most stringent emission limitation which is achieved in practice by such class or category of source, whichever is more stringent.

In no event shall the application of this term permit a proposed new or modified source to emit any pollutant in excess of the amount allowable under applicable New Source Standards of Performance.

(k) "Major Source" means any stationary source which has the potential to emit 100 tons or more per year of volatile organic compounds.

(l) "Modification" means any physical change in, or change in the method of operation of, a stationary source which increases the amount of any air pollutant emitted by such source or which results in the emission of any air pollutant not previously emitted.

(m) "New Source" means any stationary source of volatile organic compounds, the construction or modification of which is commenced after July 1, 1979.

(n) "New Source Standard of Performance" means those standards which are adopted by the EPA pursuant to the provisions of Section 111 of the Federal Clean Air Act.

(o) "Operator" means any person who leases, operates, controls, or supervises any source, facility or equipment affected by these regulations.

(p) "Owner" means any person who has legal or equitable title to any source, facility, or equipment affected by these regulations.

(q) "Person" means any individual or other legal entity or their legal representative or assignee.

(r) "Plan" means the Arkansas Plan of Implementation for Air Pollution Control.

(s) "Potential to Emit" means the capability at maximum capacity to emit a pollutant in the absence of air pollution control equipment. "Air pollution control equipment" includes control equipment which is not, aside from air pollution control laws and regulations, vital to production of the normal product of the source or to its normal operation. Annual potential shall be based on the maximum annual rated capability of the source, unless the source is subject to enforceable permit conditions which limit the annual hours of operation. Enforceable permit conditions on the type or amount of material combusted or processed may be used in determining the potential emission rate of a source.

(t) "Reasonably Available Control Technology" (RACT) means the lowest emission limit that a particular source is capable of meeting by the application of control technology that is reasonably available considering technological and economic feasibility. It may require technology that has been applied to similar, but not necessarily identical source categories.

(u) "Source" means any structure, building, facility, equipment, process, installation, or operation (or combination thereof) which is located on one or more contiguous or adjacent properties, which is under common management, and which emits volatile organic compounds.

(v) "Volatile Organic Compounds" (VOC) means any compound of carbon that has a vapor pressure greater than 78.0 millimeters of mercury

at standard conditions excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonates. The term includes hydrocarbons controlled by New Source Standards of Performance and by the National Ambient Air Quality Standards.

(w) Unless manifestly inconsistent therewith, terms and phrases used herein shall have same meaning as used in the Arkansas Water and Air Pollution Control Act and the Federal Clean Air Act.

Section 4. GENERAL PROVISIONS

4.1 Applicability and Effective Dates

(a) Sources which are subject to the provisions of the Regulations for the Control of Volatile Organic Compounds include:

(1) any source for which controls are governed by Section 5 hereof,

(2) any source which is subject to the terms of a Commission Order issued pursuant to Subsection 4.4(a) hereof, and

(3) any new major source.

(b) The provisions of the Regulations for the Control of Volatile Organic Compounds shall be limited to Pulaski County, except as provided in

Subsection 4.4(a) and shall go into full force and effect on July 1, 1979 provided, however, that the provisions of Subsection 4.4(a) shall go into full force and effect on April 1, 1979.

4.2 Exemptions and Variances

(a) For the purposes of these Regulations, the following will not be considered Volatile Organic Compounds:

(1) methane,

(2) ethane,

(3) 1,1,1 - trichloroethane (methyl chloroform), and

(4) trichlorotrifluroethane (freon 113).

(5) dichloro - methane (methylene chloride)

(b) The requirements of Section 5 are based upon information presented in the Control Technique Guidelines as published by the EPA and are intended to be consistent with reasonably available control technology. The owner or operator of equipment affected by the provisions of Section 5 may be granted a variance from the specific provisions of such section provided that such owner or operator can demonstrate to the reasonable satisfaction of the Commission that full and strict compliance is technologically or economically infeasible or that alternative techniques to be employed by such owner or operator will result in substantially the same environmental benefits as would be achieved with full and strict compliance with the provisions of Section 5. In no event, however, shall the Commission issue variances from the requirements of Section 5 if such variances will prevent reasonable further progress for the attainment of the National Ambient Air Quality Standards for Photochemical Oxidants.

4.3 Toxic Compounds

The Regulations for the Control of Volatile Organic Compounds are not intended as appropriate controls for sources which emit volatile organic compounds which are hazardous air pollutants. For such sources, the Commission may prescribe more restrictive requirements than contained herein where, in the judgement of the Commission, such more restrictive requirements are necessary to protect the public health or welfare.

4.4 Determination of Reasonably Available Control Technology

(a) Where the Department proposes the existence of reasonably available control technology for existing sources, other than the sources for which the provisions of Section 5 are applicable, the Department shall give public notice of such determination and shall, in such notice, describe the nature of such technology and shall list by size, type, source, category or by individual source name, the affected sources. The public notice shall also give notice of public hearing concerning the subject proposals. If, after review of the information produced through the public hearing process, the Commission determines that such technology does exist and that the application of such technology is necessary to maintain reasonable further progress toward the attainment of the National Ambient Air Quality Standards for Photochemical Oxidants, the Commission shall issue an order requiring the installation of such technology.

(b) Any order issued pursuant to Subsection (a) above may require the owner or operator of sources affected by such order to file such schedules and reports as the Commission feels necessary to assure that the

subject technology is placed into operation as expeditiously as practicable. The terms of such orders may be modified where the Commission finds that such modifications are necessary to avoid economic hardship and where such modification would not interfere with reasonable further progress toward the attainment of the previously cited standards.

4.5 Permits and Compliance Schedules

(a) Existing Sources:

(1) No person shall cause or permit the operation or use of an existing source to which any provision of Section 5 applies unless the owner or operator of such source shall have submitted to the Department, prior to October 1, 1979, a compliance schedule indicating what steps have been, or will be taken to bring the operation of such source into compliance with the provisions of Section 5. The compliance schedule shall be of such form and contain such information as the Commission may reasonably require.

(2) No person shall cause or permit the operation or use of an existing source which is affected by any provision of Section 5 after February 1, 1980, if the compliance schedule of such source under Subsection (a) above has been disapproved by the Commission. No compliance schedule for any source shall be approved by the Commission unless the Commission finds that the controls proposed by the

owner or operator will be installed, placed in operation, and that the source will be in compliance with the provisions of Section 5 prior to June 1, 1981. Extensions beyond June 1, 1981 may be granted by the Commission provided the Commission finds that such extensions are necessary to avoid economic hardship and that such extensions will not prevent reasonable further progress toward the attainment of the National Ambient Air Quality Standards for Photochemical Oxidants.

(3) No person shall cause or permit the operation of an existing source in a manner which violates the terms of a compliance schedule which has been approved or amended by the Commission or which violates the terms of a Commission Order issued pursuant to the provisions of Subsection 4.4(a).

(b) New Sources

Except as provided herein, no person shall commence the construction, installation or modification of a new source after July 1, 1979 unless that person has first received a permit from the Commission. Application for permit shall be of such form and contain such information as the Commission may reasonably require.

(1) New Major Sources

No permit shall be issued for the construction, installation or modification of a new major source after July 1, 1979 unless the Commission determines the following conditions to have been met:

(A) The emissions resulting from the proposed source when considered together with all other existing and proposed emissions of volatile organic compounds in Pulaski County will not cause or contribute to emission levels which exceed the allowance permitted for volatile organic compounds under the Arkansas Plan of Implementation for Air Pollution Control, as revised on March 23, 1979, to comply with the provisions of the Clean Air Act.

(B) The emissions resulting from the proposed new source will comply with the lowest achievable emission rate.

(C) The owner or operator of the proposed new or modified source has demonstrated that all major stationary sources owned or operated by such person (or by any entity controlling, controlled by, or under common control with such person) in Arkansas are in compliance, or on a schedule of compliance with all applicable emission limitations and standards under the Federal Clean Air Act, including

the Arkansas Plan of Implementation for Air Pollution Control.

(D) A permit may be issued to a new major source which would otherwise cause or contribute to emission levels which exceed the allowable levels for Pulaski County, as described in the State Implementation Plan for Air Pollution Control, as amended March 23, 1979, if the owner or operator of that source first submits legally binding agreements to the Commission which reflect emission reductions from other sources in Pulaski County, or from sources within seventy-two (72) miles of the North Little Rock Municipal Airport, which would more than offset the emissions from such proposed new major source. Emission reductions claimed by such owner or operator may not include those emission reductions in Pulaski County which are necessary to reduce the total Volatile Organic Compound emission to the allowable level in Pulaski County.

(2) Other New Sources

(A) No permit shall be issued for a new source of the size, type, class, or category for which the

provisions of Section 5 apply unless the Commission finds that such new source incorporates reasonably available control technology developed for the kind and amount of Volatile Organic Compounds to be emitted by the source and that, as a minimum, the source will be designed, constructed and operated such that the emissions therefrom, will not exceed the allowable emission rate provided by such Section for existing sources.

(B) No permit shall be issued for a new source of the size, type, class or category for which a Commission Order has been issued pursuant to Subsection 4.4(a), unless the Commission finds that such source incorporates "reasonably available" control technology developed for the kind and amount of Volatile Organic Compounds to be emitted by such source and that, as a minimum, the source will be designed, constructed and operated such that the emissions therefrom will not exceed the rate required of existing sources by such order.

4.6 Compliance Testing and Reporting Requirements

(a) Any person owning or operating sources which are affected by the provisions of the Regulations for the Control of Volatile Organic Compounds shall, upon the request of the Director, furnish such information as may be required to demonstrate compliance with said Regulations. For purposes of this section, the provisions of Section 7 of the Regulations of the Arkansas Plan of Implementation for Air Pollution Control shall apply.

(b) For purposes of administering the provisions of the Regulations for the Control of Volatile Organic Compounds, the Director shall not be limited to the results obtained from emission tests but may, where appropriate, determine the compliance status of any source with respect to the emission limitations contained herein by the results of engineering evaluations, by inspection reports or by such information submitted, and certified, by the source owner or operator. For purposes of this Section, a source may be deemed to be in compliance with the emission limitations of said Regulations if the equipment of such source is designed and operated in accordance with the provisions of Section 5 or, where Section 5 is not applicable, is designed and operated in accordance with the provisions of a Commission Order or a permit issued hereunder, provided however, where an emission limitation is applicable to a certain source and where emission testing has been conducted in a manner approved by the Department and where such tests demonstrate compliance with such limitations, the source shall be deemed to

be in compliance with such limitations.

4.7 Circumvention

(a) No owner or operator subject to these Regulations may build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission which would otherwise constitute a violation of these Regulations.

(b) The provisions of paragraph (a) above includes, but is not limited to, the use of gaseous diluents to achieve compliance and the piecemeal carrying out of an operation to avoid coverage by a Regulation that applies only to operations larger than a specified size.

Section 4.8 Malfunctions, Breakdowns, Upsets

(a) Emissions in excess of these Regulations which are temporary and result solely from a sudden and unavoidable breakdown, malfunction or upset of process or emission control equipment, or sudden and unavoidable upset of operation will not be considered a violation of these Regulations provided:

(1) the owner or operator notifies the Department of any such occurrence within twenty-four (24) hours of the occurrence; and

(2) the owner or oprator demonstrates to the Director that the suggested period of time for correction is as expeditious as practicable; and,

(3) the breakdown or upset is determined by the Director to be unavoidable and not the result of negligence; and

(4) within five (5) days after the beginning of the occurrence, a written report is submitted to the Director which includes the cause and nature of the event, estimated quantity of volatile organic compounds emitted, time of emission and steps taken to control the emission and to prevent recurrence; and

(5) the Director is immediately notified when corrective measures have been accomplished.

(b) If the occurrence to be reported under (a)(1) above involves the release of volatile organic compounds in such quantities to pose a hazard to the public safety or to the environment or if the volatile organic compounds are released into the waters of the State or are likely to enter such waters, the owner or operator shall notify the Department as quickly as reasonably possible, but in no event shall the period for notification exceed 24 hours.

Section 5. PROVISIONS FOR SPECIFIC PROCESSES

5.1 Gasoline Storage and Marketing

(a) No person shall cause or permit the loading of gasoline into a storage tank of a gasoline storage or marketing facility with a monthly throughput in excess of 10,000 gallons except through a submerged fill pipe or by bottom loading. This provision shall not apply to storage tanks of less than 4,000 liter capacity (approximately 1,000 gallons).

(b) No person shall cause or permit the operation of a gasoline bulk facility of less than 87,000 liters (23,000 gallons) per day throughput unless all gasoline delivery vessels are loaded by submerged fill pipe or bottom filling.

(c) No person shall cause or permit the operation of a gasoline bulk facility having a daily throughput equal to greater than 87,000 liters (23,000 gallons) per day unless a vapor control system is in place, is properly maintained and is used to prevent gasoline vapors from being emitted into the atmosphere at a rate in excess of 80 milligrams per liters of gasoline loaded (4.7 grains per gallon).

5.2 Petroleum Liquid Storage

(a) No person shall cause or permit the storage of volatile organic compounds having a true vapor pressure in excess of 10.5 kilo Pascals (1.52 psia) in tanks having a capacity equal to or greater than 150,000 liters (approximately 39,000 gallons) unless such tanks:

(1) meet the equipment specifications and maintenance requirements of the federal standards of performance for new stationary sources - Storage Vessels for Petroleum Liquids, 40 CFR 60.110, as amended by proposed rule change, Federal Register, May 18, 1978, pages 21617 through 21625; or

(2) are retrofitted with a floating roof or internal floating cover using a non-metallic resilent seal as a primary seal which meets the equipment specifications in the federal standards referred to in (1) above, or its equivalent; or

(3) have a covered floating roof or internal floating cover which is maintained in effective working order and which meets the manufacturer's equipment specifications in effect at the time it was installed.

(b) All seals necessary to meet the requirements of (a) (2) and (3) of this subsection are to be maintained in good operating condition.

(c) All openings, except stub drains and those related to safety, are to be sealed with suitable closures when not in use.

5.3 Cutback Asphalt

No person shall mix, use or apply cutback asphalt for roadway paving except where the cutback asphalt is used solely as a penetrating prime

coat or when the maximum ambient temperature on the day of application is less than 15°C (59°F).

Section 6. SEVERABILITY

If any provision of the Regulations for the Control of Volatile Organic Compounds or the application thereof to any person or circumstance is held invalid, such invalidity shall not affect other provisions or applications of the Regulations for the Control of Volatile Organic Compounds which can be given effect without the invalid provision or application, and to this end, the provisions of the Regulations for the Control of Volatile Organic Compounds are declared to be severable.